

## Executive summary of ITU-T SG9 meeting (Geneva, 28 Aug.-2 Sept. 2016)

A Study Group 9 meeting was held in Geneva during 29 Aug – 2 Sept 2016 and was attended by 37 delegates from 14 countries. Along with face-to-face meetings a few sessions were supported by remote participation, as requested by SG9 Management.

List of Consented/Decided Recommendations and other deliverables for approval SG9 meeting in Aug-Sept 2016 achieved the following results: 10 draft Recommendations and one draft Amendment were consented (AAP), two draft Recommendations were determined (TAP) and one revised guideline was approved. Details are to be found below.

### List of Consented/Determined Recommendations and other deliverables for approval

#### 1.1 List of draft Recommendations Consented at SG9 Plenary meeting, 28 Aug. – 2 Sept. 2016, using AAP (Rec. A.8)

No	Final TD	A5	Rec.	Question	Status	Title	Editor
1	TD [1021-GEN]	N/A	J.94	1	Rev	Service information for digital broadcasting in cable television systems	Shigeyuki SAKAZAWA
2	TD [1039-GEN]	TD [1041 GEN]	J.1006 (ex. J.ipvdrm)	3	New	Specification of IP-VOD DRM for cable television multiscreen system in Multi-DRM environment	Han-Seung Koo
3	TD [1026-GEN]	N/A	J.230	4	Rev	Requirements for platform functionalities on the integration of cable STB and mobile second screen devices	Masaru TAKECHI
4	TD [1008-GEN]	TD [1011 GEN]	J.297 (ex J.4kstb)	5	New	ITU-T J.297 (ex J.4kstb) “Requirements and functional specification of cable set top box for 4K ultra high definition television”	Dong WANG
5	TD [1046- GEN]	N/A	J.196.2 (ex HiNoC2-phy)	1 & 7	New	Physical layer specification of second generation HiNoC	Shigeyuki SAKAZAWA Tae Kyoon KIM
6	TD [1047GEN]	N/A	J.196.3 (ex J.HiNoC2-mac)	1 & 7	New	Media Access Control (MAC) layer specification of second generation HiNoC	Shigeyuki SAKAZAWA Tae Kyoon KIM
7	TD [1048- GEN] (Rev.1)	TD [1049GEN]	J.223.2 (ex J.C-DOCSIS-spec)	7	New	Cabinet DOCSIS (C-DOCSIS) System Specification	Tae Kyoon KIM

No	Final TD	A5	Rec.	Question	Status	Title	Editor
8	TD[1033-GEN] (Rev.1)	N/A	J.1105 (ex J.chswt-req)	7	New	Requirement of channel switching service over Hybrid Fiber and Coaxial based network	Tae Kyoon KIM
9	TD [1034-GEN](Rev.1)	N/A	J.1104 (ex J.vodoc-cont)	7	New	Control specification for IP-based switched digital video using Data Over Cable Service Interface Specifications	Tae Kyoon KIM
10	TD [1023-GEN]	N/A	J.302 (ex J.arstv-spec)	10	New	System specifications of Augmented Reality Smart Television Service	Tomohiko TAKAHASHI

### 1.2 List of Recommendations Decided at SG9 Plenary meeting, 28 Aug. – 2 Sept. 2016, using TAP (WTSA Resolution 1, section 9)

No	Docs	A5	Rec.	Question	Status	Subject	Editor
1	TD 886 (C125)	TD 873	J.1010 (ex J.dmcd-req )	3	New	Embedded Common Interface (ECI) for exchangeable CA/DRM solutions; Use cases and requirements	Han-Seung Koo Peter Mann
2	TD 887 (C126)	TD 874	J.1011 (ex J.dmcd-arc )	3	New	Embedded Common Interface (ECI) for exchangeable CA/DRM solutions; Architecture, Definitions and Overview	Han-Seung Koo Peter Mann

### 1.3 Sony Cooperation provided recently commercialized ITU-T Recommendation J.382.

This Contribution is to inform that ITU-T J.382 has been recently commercialized.

1	The industry's first demodulator LSI and tuner modules for ultra-high definition television broadcasting compliant with the ITU Recommendations including ITU-T J.382 and J.83.	<a href="#">[C-171]</a>
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## 2. Supplements, Amendments, Corrigenda and Guidelines

### 2.1 Supplement

One supplement was proposed and agreed at this meeting.

No	Question	Rec.	Status	Title	Contact	Final TD	A5
1	1	Supplement	New	A combination example of functions defined in Recommendations ITU-T J.183, J.288, and J.94	Satoshi Miyaji	TD <a href="#">[1020-GEN]</a>	N/A

## 2.2 Amendments

No Amendment was proposed at this meeting.

## 2.3 Corrigenda

No Corrigenda was proposed at this meeting.

## 2.4 Guidelines

No Guideline was proposed at this meeting.

## 3. New and deleted work items

SG9 agreed to start the following 4 new work items:

Question	Work item	status	Title	Editor	Timing
1	J.382	Revision	Advanced digital downstream transmission systems for television, sound and data services for cable distribution	Shigeyuki SAKAZAWA	2017
3	J.dmobile-sma	New	Downloadable System for Multi-CA/DRM service of mobile broadcasting; Service Model and Architecture	Han-Seung Koo	2017
3	J.dmcd-part3	New	Embedded Common Interface (ECI) for exchangeable CA/DRM solutions; CA/DRM Container, Loader, Interfaces, Revocation	Tae Kyoon KIM	2017
7	J.roip-req	New	requirement for RF signal over IP transmission system	Tae Kyoon KIM	2018

### 3.1 SG9 agreed to stop working on the following work items at this meeting:

Question	Work item	status	Title	Editor	Timing	Reference
None						

## 4. Revised SG9 Questions texts in view of WTSA-16

4.1 WTSA Part I: All revision mark in Body + changing summary (Resolution 80 Guideline statement)

4.2 WTSA Part II: All revision mark in Body + changing summary (2 Editorial points + 1 Recommendation addition J.297 in E/9)

## 5. SG9 Management, Rapporteurs and Associate Rapporteurs

No changes

## 6. Liaison Officers

No changes

## 7. Intersector Rapporteur Groups (IRG-AVQA; IRG-AVA; IRG-IBB)

Three reports were presented.

7.1 IRG-IBB

7.2 IRG-AVQA

7.3 IRG-AVA

## 8. WTSA-12 Resolution 80

Worked on WTSA-12 [Resolution 80](#):

SG9 Guidelines on Resolution 80 implementation Q13/9 organized ad-hoc group specific to this issue at 1730-1800 on Wednesday 31 August. The group recognized that the SG9 Guidelines agreed at the February TSAG meeting could not be further updated because a proposal to TSAG (TD 990) was not agreed at the July TSAG meeting. Another ad-hoc session was organized at 1100-1200 on Thursday 1 September. Arthur Webster (SG9 Chairman) met with several delegates and TSB to further discuss the SG9 Guidelines. The group reviewed the TSAG decisions as implemented in the TSAG R7 (February 2016) and draft R8 (July 2016), and decided to revise SG9 Guidelines to be identical with TSAG TD 460r1 which was approved by TSAG to be implemented by all Study Groups.

The updated text is found in [TD \[1052-GEN\]](#).

## 9. Outgoing Liaison Statements

#	Document	Questions	WP	To	For	Title
1	<a href="#">TD1018 (GEN/9)</a>	Q1/9	WP 1	ETSI TC-Cable, DVB TM-C	Information	LS/o on progressing of revised Recommendation J.382 “Advanced digital downstream transmission systems for television, sound and data services for cable distribution”
2	<a href="#">TD1014 (GEN/9)</a>	Q2/9, Q12/9	WP 1	3GPP TSG SA WG4	Information	reply LS to 3GPP TSG SA WG4 on UE video telephony performance
3	<a href="#">TD1015 Rev.1 (GEN/9)</a>	Q2/9, Q12/9	WP 1	ITU-T SG12, ITU-R WP6C, VQEG	Information	reply LS to ITU-T SG12 on Joint Project on Quality Prediction for Adaptive Bitrate Video Streaming

4	<a href="#">TD1040 (GEN/9)</a>	Q3/9	WP 1	ITU-T SG17, ETSI ISG ECI, ARIB	Information	LS/o on AAP Consent of draft new Recommendation ITU-T J.1006 (ex. J.ipvdrm) "Specification of IP-VOD DRM for cable television multiscreen system in Multi-DRM environment"
5	<a href="#">TD1028 Rev.1 (GEN/9)</a>	Q4/9	WP 2	ITU-T SG 16	information	Revision of Recommendation J.230 and progress of IBB related study
6	<a href="#">TD1029 Rev.1 (GEN/9)</a>	Q4/9	WP 2	ITU-R WP6B	Information	Revision of Recommendation J.230 and progress of IBB related study
7	<a href="#">TD1009 (GEN/9)</a>	Q5/9	WP 2	ITU-T SG16 Q13	Information	LS/o on AAP Consent of draft new Recommendation ITU-T J.297 (ex J.4kstb) [to ITU-T SG16]
8	<a href="#">TD1010 (GEN/9)</a>	Q5/9	WP 2	ARIB, ATSC, ETSI TC Cable, DVB-TM, IEC-TC100, IEEE-SA, ISO/IEC JTC1, ITU-R WP6B and SCTE	Information	LS/o on AAP Consent of draft new Recommendation ITU-T J.297 (ex J.4kstb) [to ARIB, ATSC, ETSI TC Cable, DVB-TM, IEC-TC100, IEEE-SA, ISO/IEC JTC1, ITU-R WP6B and SCTE]
9	<a href="#">TD1032 Rev.2 (GEN/9)</a>	Q7/9	WP 2	SCTE, ETSI TC-cable, RRA	information	LS/o on AAP consent of draft new Recommendation ITU-T J.1105 (ex J.chswt-req) "Requirement of channel switching service over Hybrid Fiber and Coaxial based network" and ITU-T J.1104 (ex J.vodoc-cont) "Control Specification for IP-based switched digital video using Data Over Cable Service Interface Specifications" [to SCTE, ETSI TC-CABLE, RRA]
10	<a href="#">TD1035 Rev.3 (GEN/9)</a>	Q7/9	WP 2	SCTE, ETSI TC-cable, RRA, TTC	information	LS/o on new work item for J.roip-req "requirement for RF signal over IP transmission system" [to SCTE, ETSI TC-Cable, RRA, TTC]
11	<a href="#">TD1043 (GEN/9)</a>	Q1/9, Q7/9	WP1, WP2	ITU-T SG5, ITU-R WP1A, WP4C, WP5B	Information	LS/o/r Leakage and impact of radio frequency noise from telecommunication systems using metallic conductors (reply to ITU-T SG5-LS121)
12	<a href="#">TD1044 (GEN/9)</a>	Q1/9, Q7/9	WP1, WP2	SG15	Information	LS/o/r on the latest versions of the Access Network Transport (ANT) Standards Overview and Work Plan (reply to SG 15 - LS 304 -E (TD 926(GEN/9)))
13	<a href="#">TD1045 Rev.1 (GEN/9)</a>	Q1/9, Q7/9	WP 1, WP 2	ITU-T SG15, IEEE 802.3 Working Group, ETSI TC-Cable, RRA, TTC, SCTE	Information	LS/r on AAP Consent of draft new Recommendations J.196.2, J.196.3, and J.223.2
14	<a href="#">TD1024 Rev.1 (GEN/9)</a>	Q10/9	WP 2	ITU-R WP6B, ITU-R WP6C, ISO/IEC JTC 1/SC 29/WG 11, ARIB	Information	LS/o on AAP Consent of draft new ITU-T Recommendation J.302 (ex J.arstv-spec): "System Specifications for Augmented Reality Smart Television Service"

15	<a href="#">TD1058 (GEN/9)</a>	Q13/9	Q13/9	SG11	Information	LS/o/r on outcomes of the second ITU-T CASC meeting
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## 10. Work plan for interim Rapporteur meetings and Working parties meetings

### 10.1 Working Parties meetings

No interim Working Parties meetings will be held before next SG9 meeting

### 10.2 Interim Rapporteurs' groups meetings

The following interim Rapporteurs' groups meetings are agreed by SG9 meeting:

Question	Date	Place / Host	Terms of reference	Contact
2/9 and 12/9	24-28 October 2016	London, UK	Progress on J.q-uhd, etc.	<a href="mailto:chulhee@yonsei.ac.kr">chulhee@yonsei.ac.kr</a>
2/9 and 12/9	[TBD]	e-meeting	Progress on J.q-uhd, etc.	<a href="mailto:chulhee@yonsei.ac.kr">chulhee@yonsei.ac.kr</a>
3/9	6-11 October 2016	Geneva [TBC]	Progress on J.dmcd-part3 and J.dmobile-sma	<a href="mailto:koohs@etri.re.kr">koohs@etri.re.kr</a>
3/9	8-12 [TBC] November 2016	Geneva [TBC]	Progress on J.dmcd-part3 and J.dmobile-sma	<a href="mailto:koohs@etri.re.kr">koohs@etri.re.kr</a>
3/9	2-7 [TBC] December 2016	Geneva [TBC]	Progress on J.dmcd-part3 and J.dmobile-sma	<a href="mailto:koohs@etri.re.kr">koohs@etri.re.kr</a>
4/9	Feb 2017 (TBD)	e-meeting	Progress on J.acf-hrm, J.207revetc.	<a href="mailto:takechi-m-fa@nhk.or.jp">takechi-m-fa@nhk.or.jp</a>
7/9	6-11, October 2016	Geneva/ITU	Progress on J.roip-req	<a href="mailto:tkkim@etri.re.kr">tkkim@etri.re.kr</a>
9/9	28 Dec. 2016	e-meeting [1]	Progress on J.lasdp-req	<a href="mailto:zhangjs@chinabtn.com">zhangjs@chinabtn.com</a>

## 11. Next Study Group 9 meeting: TBD

## 12. AOB

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